0500

RAW SEQUENCE LISTING   DATE: 11/14/2000
PATENT APPLICATION: US/09/702,498   TIME: 14:31:48

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw

ENTERED

```
     4 <110> APPLICANT: Tokuzumi, Tsuyoshi
     5        Iida, Akihiro
     6        Hasegawa, Mamoru
     7        Nagai, Yoshiyuki
     9 <120> TITLE OF INVENTION: Paramyxovirus vectors used for transfer
    10        of foreign genes
    12 <130> FILE REFERENCE: 50026/025001
C-->14 <140> CURRENT APPLICATION NUMBER: US/09/702,498
C-->14 <141> CURRENT FILING DATE: 2000-10-31
    14 <150> PRIOR APPLICATION NUMBER: JP2000-152726
    15 <151> PRIOR FILING DATE: 2000-05-18
    17 <160> NUMBER OF SEQ ID NOS: 32
    19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    21 <210> SEQ ID NO: 1
    22 <211> LENGTH: 41
    23 <212> TYPE: DNA
    24 <213> ORGANISM: Artificial Sequence
    26 <220> FEATURE:
    27 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
    28        Sendai virus
    30 <400> SEQUENCE: 1
    31 ccaccgacca cacccagcgg ccgcgacagc cacggcttcg g              41
    33 <210> SEQ ID NO: 2
    34 <211> LENGTH: 41
    35 <212> TYPE: DNA
    36 <213> ORGANISM: Artificial Sequence
    38 <220> FEATURE:
    39 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
    40        Sendai virus
    42 <400> SEQUENCE: 2
    43 ccgaagccgt ggctgtcgcg gccgctgggt gtggtcggtg g              41
    45 <210> SEQ ID NO: 3
    46 <211> LENGTH: 40
    47 <212> TYPE: DNA
    48 <213> ORGANISM: Artificial Sequence
    50 <220> FEATURE:
    51 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
    52        Sendai virus
    54 <400> SEQUENCE: 3
    55 gaaatttcac ctaagcggcc gcaatggcag atatctatag              40
    57 <210> SEQ ID NO: 4
    58 <211> LENGTH: 40
    59 <212> TYPE: DNA
    60 <213> ORGANISM: Artificial Sequence
    62 <220> FEATURE:
    63 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
    64        Sendai virus
```

```
RAW SEQUENCE LISTING              DATE: 11/14/2000
PATENT APPLICATION:  US/09/702,498    TIME: 14:31:48

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw
```

```
66 <400> SEQUENCE: 4
67 ctatagatat ctgccattgc ggccgcttag gtgaaatttc              40
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 43
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
76       Sendai virus
78 <400> SEQUENCE: 5
79 gggataaagt cccttgcggc cgcttggttg caaaactctc ccc          43
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 43
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
88       Sendai virus
90 <400> SEQUENCE: 6
91 gggagagtt ttgcaaccaa gcggccgcaa gggactttat ccc           43
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 47
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
100        Sendai virus
102 <400> SEQUENCE: 7
103 ggtcgcgcgg tactttagcg gccgcctcaa acaagcacag atcatgg      47
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 47
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
112        Sendai virus
114 <400> SEQUENCE: 8
115 ccatgatctg tgcttgtttg aggcggccgc taaagtaccg cgcgacc      47
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 44
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
124        Sendai virus
126 <400> SEQUENCE: 9
127 cctgcccatc catgacctag cggccgcttc ccattcaccc tggg         44
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 44
```

RAW SEQUENCE LISTING   DATE: 11/14/2000
PATENT APPLICATION: US/09/702,498   TIME: 14:31:48

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw

```
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Artificially synthesized sequence derived from the
136       Sendai virus
138 <400> SEQUENCE: 10
139 cccagggtga atgggaagcg gccgctaggt catggatggg cagg              44
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 40
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Artificially synthesized sequence derived from
148       human secreted alkaline phosphatase
150 <400> SEQUENCE: 11
151 gcggcgcgcc atgctgctgc tgctgctgct gctgggcctg              40
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 40
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Artificially synthesized sequence derived from
160       human secreted alkaline phosphatase
162 <400> SEQUENCE: 12
163 gcggcgcgcc cttatcatgt ctgctcgaag cggccggccg              40
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 74
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Artificially synthesized sequence containing a
172       multicloning site
174 <400> SEQUENCE: 13
175 gcggccgcgt ttaaacggcg cgccatttaa atccgtagta agaaaaactt agggtgaaag 60
176 ttcatcgcgg ccgc                                             74
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 74
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Artificially synthesized sequence containing a
185       multicloning site
187 <400> SEQUENCE: 14
188 gcggccgcga tgaactttca ccctaagttt ttcttactac ggatttaaat ggcgcgccgt 60
189 ttaaacgcgg ccgc                                             74
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 40
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 11/14/2000
PATENT APPLICATION: US/09/702,498   TIME: 14:31:48

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw

```
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
198       directed mutagenesis of the Sendai virus
200 <400> SEQUENCE: 15
201 ggagaagtct caacaccgtc cacccaagat aatcgatcag               40
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 40
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
210       directed mutagenesis of the Sendai virus
212 <400> SEQUENCE: 16
213 ctgatcgatt atcttgggtg gacggtgttg agacttctcc               40
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 38
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
222       directed mutagenesis of the Sendai virus
224 <400> SEQUENCE: 17
225 gtatatgtgt tcagttgagc ttgctgtcgg tctaaggc                 38
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 38
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
234       directed mutagenesis of the Sendai virus
236 <400> SEQUENCE: 18
237 gccttagacc gacagcaagc tcaactgaac acatatac                 38
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 45
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
246       directed mutagenesis of the Sendai virus
248 <400> SEQUENCE: 19
249 caatgaactc tctagagagg ctggagtcac taaagagtta cctgg          45
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 45
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
258       directed mutagenesis of the Sendai virus
260 <400> SEQUENCE: 20
```

```
RAW SEQUENCE LISTING                    DATE: 11/14/2000
PATENT APPLICATION: US/09/702,498       TIME: 14:31:48

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw
```

```
261 ccaggtaact ctttagtgac tccagcctct ctagagagtt cattg                45
263 <210> SEQ ID NO: 21
264 <211> LENGTH: 52
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
270       directed mutagenesis of the Sendai virus
272 <400> SEQUENCE: 21
273 gtgaaagttc atccaccgat cggctcactc gaggccacac ccaaccccac cg            52
275 <210> SEQ ID NO: 22
276 <211> LENGTH: 52
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
282       directed mutagenesis of the Sendai virus
284 <400> SEQUENCE: 22
285 cggtggggtt gggtgtggcc tcgagtgagc cgatcggtgg atgaactttc ac            52
287 <210> SEQ ID NO: 23
288 <211> LENGTH: 47
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
294       directed mutagenesis of the Sendai virus
296 <400> SEQUENCE: 23
297 cttagggtga agaaatttc agctagcacg gcgcaatggc agatatc                   47
299 <210> SEQ ID NO: 24
300 <211> LENGTH: 47
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
306       directed mutagenesis of the Sendai virus
308 <400> SEQUENCE: 24
309 gatatctgcc attgcgccgt gctagctgaa atttctttca ccctaag                  47
311 <210> SEQ ID NO: 25
312 <211> LENGTH: 47
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Artificially synthesized sequence for use in site
318       directed mutagenesis of the Sendai virus
320 <400> SEQUENCE: 25
321 cttagggata aagtcccttg tgcgcgcttg gttgcaaaac tctcccc                  47
323 <210> SEQ ID NO: 26
324 <211> LENGTH: 47
325 <212> TYPE: DNA
```

VERIFICATION SUMMARY   DATE: 11/14/2000
PATENT APPLICATION: US/09/702,498   TIME: 14:31:49

Input Set : A:\50026.025001.SEQLIST.TXT
Output Set: N:\CRF3\11142000\I702498.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date